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## AMMONIUM GLYPHOSATE SYNTHESIS PROCESS

[54] [Name of Invention] Ammonium Glyphosate Synthesis Process

[57] Abstract

A process for synthesizing ammonium glyphosate includes adding solvent alcohol, ether, aromatic hydrocarbon and alkane or organic solvent-water mixture containing less than 25% water (W/W) to reactor, then adding glyphosate and ammonia gas, and running a reaction at 10-50 °C for 2-8 hr, then cooling to 15-20 °C, and removing the precipitated crystals; drying the crystals yields the product ammonium glyphosate; the crystals' mother liquid is then recycled for use as solvent in the next reaction batch, and this recycling set constitutes 6-15 times, then ultimately the batch of mother liquid is distilled to remove ammonium glyphosate from it. This invention is used to produce a water-soluble ammonium herbicide. Its advantages include simple process, high product quality, and high yield.